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## **IF engineer wins AFMC Technology Transfer award**

*by Fran Crumb, Information Directorate*

ROME, N.Y.— Dr. Bruce W. Suter of the Air Force Research Laboratory (AFRL) Information Directorate has been named as the recipient of the Air Force Materiel Command's (AFMC) top annual honor for transferring cutting-edge technology to benefit the public and private sectors.

Suter, principal electronics engineer in the directorate's Information Grid Division, was selected to receive the 2000 General Ronald W. Yates Award for Excellence in Technology Transfer.

Established upon his departure from active duty as the first commander of AFMC, the award honors General Yates for his many contributions to the Air Force Science and Technology program and his support of moving technology between AFMC and the public and private sectors.

Suter was specifically recognized for his work in the successful transition of a newly invented architecture for a high performance signal processor that provides significant technical performance improvements above and beyond present and next generation designs.

The computer architecture is based on the idea of trading off transistors for power dissipation, resulting in high performance and low power in a signal processor. This technology could significantly simplify the design of radar receivers, communications equipment and satellite systems. It offers potential civilian applications as a practical method to mitigate interference for cell phones and to effectively increase the density of computer disk drives.

Suter, a member of the laboratory staff since 1998, earned his bachelor of science and master's degrees in electrical engineering from the University of South Florida. He was awarded a doctorate in computer science from the same university. From 1989 to 1998, he was a member of the faculty at the Air Force Institute of Technology. @